

## **STIC Biotechnology Systems Branch**

### **RAW SEQUENCE LISTING**

### **ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/470,997B  
Source: 1600  
Date Processed by STIC: 4/26/06

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER VERSION 4.4.0 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/efb/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 01/14/05):  
U.S. Patent and Trademark Office, Mail Stop Sequence, Customer Window, Randolph Building, 401 Dulany Street, Alexandria, VA 22314

Revised 01/10/06

## Raw Sequence Listing Error Summary

### ERROR DETECTED

### SUGGESTED CORRECTION

SERIAL NUMBER: 09/470,997B

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1      Wrapped Nucleics  
    Wrapped Aminos     The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
  
- 2      Invalid Line Length     The rules require that a line not exceed 72 characters in length. This includes white spaces.
  
- 3      Misaligned Amino  
    Numbering     The numbering under each 5<sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
  
- 4      Non-ASCII     The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
  
- 5   J   Variable Length     Sequence(s) 9-17 (maybe more) contain amino acid representing more than one residue. Per Sequence Rules, each A..A can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
  
- 6      PatentIn 2.0  
    "bug"     A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s)             . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
  
- 7      Skipped Sequences  
    (OLD RULES)     Sequence(s)              missing. If intentional, please insert the following lines for each skipped sequence:  
                               (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                               (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)  
                               (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)  
                               This sequence is intentionally skipped  
                               Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
  
- 8      Skipped Sequences  
    (NEW RULES)     Sequence(s)              missing. If intentional, please insert the following lines for each skipped sequence.  
                               <210> sequence id number  
                               <400> sequence id number  
                               000
  
- 9      Use of n's or Xaa's  
    (NEW RULES)     Use of n's and/or Xaa's have been detected in the Sequence Listing.  
                               Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.  
                               In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.
  
- 10     Invalid <213>  
    Response     Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence. (see item 11 below)
  
- 11     Use of <220>     Sequence(s)              missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section or use "chemically synthesized" as explanation. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32), also Sec. 1.823 of Sequence Rules
  
- 12     PatentIn 2.0  
    "bug"     Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
  
- 13     Misuse of n/Xaa     "n" can only represent a single nucleotide; "Xaa" can only represent a single amino acid



IFW16

## RAW SEQUENCE LISTING

DATE: 04/26/2006

PATENT APPLICATION: US/09/470,997B

TIME: 12:25:52

Input Set : A:\GLOV3002 Sequence Listing.ST25.txt

Output Set: N:\CRF4\04262006\I470997B.raw

3 <110> APPLICANT: Proteus Molecular Design Limited  
 4 James, Glover F  
 5 Rushton, Arthur  
 6 Morgan, Phillip J  
 7 Young, Stephen C  
 9 <120> TITLE OF INVENTION: Angiotensin Derivatives  
 11 <130> FILE REFERENCE: GLOV3002/REF  
 13 <140> CURRENT APPLICATION NUMBER: US 09/470,997B  
 14 <141> CURRENT FILING DATE: 1999-12-23  
 16 <150> PRIOR APPLICATION NUMBER: PCT/GB98/01833  
 17 <151> PRIOR FILING DATE: 1998-06-23  
 19 <160> NUMBER OF SEQ ID NOS: 31  
 21 <170> SOFTWARE: PatentIn version 3.2  
 23 <210> SEQ ID NO: 1  
 24 <211> LENGTH: 10  
 25 <212> TYPE: PRT  
 26 <213> ORGANISM: Unknown  
 28 <220> FEATURE:  
 29 <223> OTHER INFORMATION: mammalian peptide hormone angiotensin I  
 31 <400> SEQUENCE: 1  
 33 Asp Arg Val Tyr Ile His Pro Phe His Leu  
 34 1 5 10  
 37 <210> SEQ ID NO: 2  
 38 <211> LENGTH: 8  
 39 <212> TYPE: PRT  
 40 <213> ORGANISM: Unknown  
 42 <220> FEATURE:  
 43 <223> OTHER INFORMATION: mammalian peptide hormone angiotensin II  
 45 <400> SEQUENCE: 2  
 47 Asp Arg Val Tyr Ile His Pro Phe  
 48 1 5  
 51 <210> SEQ ID NO: 3  
 52 <211> LENGTH: 12  
 53 <212> TYPE: PRT  
 54 <213> ORGANISM: Unknown  
 56 <220> FEATURE:  
 57 <223> OTHER INFORMATION: Angiotensin I derivative  
 59 <400> SEQUENCE: 3  
 61 Asp Arg Val Tyr Ile His Pro Phe His Leu Gly Cys  
 62 1 5 10  
 65 <210> SEQ ID NO: 4  
 66 <211> LENGTH: 10  
 67 <212> TYPE: PRT

pp 3-5  
 Does Not Comply  
 Corrected Diskette Needed

## RAW SEQUENCE LISTING

DATE: 04/26/2006

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Input Set : A:\GLOV3002 Sequence Listing.ST25.txt

Output Set: N:\CRF4\04262006\I470997B.raw

68 <213> ORGANISM: Unknown  
70 <220> FEATURE:  
71 <223> OTHER INFORMATION: Angiotensin II derivative  
73 <400> SEQUENCE: 4  
75 Asp Arg Val Tyr Ile His Pro Phe Gly Cys  
76 1 5 10  
79 <210> SEQ ID NO: 5  
80 <211> LENGTH: 11  
81 <212> TYPE: PRT  
82 <213> ORGANISM: Unknown  
84 <220> FEATURE:  
85 <223> OTHER INFORMATION: Angiotensin I derivative  
87 <400> SEQUENCE: 5  
89 Asp Arg Val Tyr Ile His Pro Phe His Leu Cys  
90 1 5 10  
93 <210> SEQ ID NO: 6  
94 <211> LENGTH: 11  
95 <212> TYPE: PRT  
96 <213> ORGANISM: Unknown  
98 <220> FEATURE:  
99 <223> OTHER INFORMATION: Angiotensin I derivative  
101 <400> SEQUENCE: 6  
103 Asp Arg Val Tyr Ile His Pro Phe His Leu Tyr  
104 1 5 10  
107 <210> SEQ ID NO: 7  
108 <211> LENGTH: 11  
109 <212> TYPE: PRT  
110 <213> ORGANISM: Unknown  
112 <220> FEATURE:  
113 <223> OTHER INFORMATION: Angiotensin I derivative  
115 <400> SEQUENCE: 7  
117 Tyr Asp Arg Val Tyr Ile His Pro Phe His Leu  
118 1 5 10  
121 <210> SEQ ID NO: 8  
122 <211> LENGTH: 11  
123 <212> TYPE: PRT  
124 <213> ORGANISM: Unknown  
126 <220> FEATURE:  
127 <223> OTHER INFORMATION: Angiotensin I derivative  
129 <400> SEQUENCE: 8  
131 Cys Asp Arg Val Tyr Ile His Pro Phe His Leu  
132 1 5 10  
135 <210> SEQ ID NO: 9  
136 <211> LENGTH: 12  
137 <212> TYPE: PRT  
138 <213> ORGANISM: Unknown  
140 <220> FEATURE:  
141 <223> OTHER INFORMATION: Angiotensin I derivative  
144 <220> FEATURE:

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Input Set : A:\GLOV3002 Sequence Listing.ST25.txt

Output Set: N:\CRF4\04262006\I470997B.raw

*Gly* can only  
represent a  
single amino  
acid  
  
Variable  
length not  
permitted.  
  
see item

145 <221> NAME/KEY: MISC\_FEATURE  
146 <222> LOCATION: (11)..(11)  
147 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
149 <400> SEQUENCE: 9  
151 Asp Arg Val Tyr Ile His Pro Phe His Leu Gly Cys  
152 1 5 10  
155 <210> SEQ ID NO: 10  
156 <211> LENGTH: 10  
157 <212> TYPE: PRT  
158 <213> ORGANISM: Unknown  
160 <220> FEATURE:  
161 <223> OTHER INFORMATION: Angiotensin II derivative  
164 <220> FEATURE:  
165 <221> NAME/KEY: MISC\_FEATURE *same*  
166 <222> LOCATION: (9)..(9)  
167 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
169 <400> SEQUENCE: 10  
171 Asp Arg Val Tyr Ile His Pro Phe Gly Cys  
172 1 5 10  
175 <210> SEQ ID NO: 11  
176 <211> LENGTH: 12  
177 <212> TYPE: PRT  
178 <213> ORGANISM: Unknown  
180 <220> FEATURE:  
181 <223> OTHER INFORMATION: Angiotensin I derivative  
184 <220> FEATURE:  
185 <221> NAME/KEY: MISC\_FEATURE *same*  
186 <222> LOCATION: (2)..(2)  
187 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
189 <400> SEQUENCE: 11  
191 Cys Gly Asp Arg Val Tyr Ile His Pro Phe His Leu  
192 1 5 10  
195 <210> SEQ ID NO: 12  
196 <211> LENGTH: 10  
197 <212> TYPE: PRT  
198 <213> ORGANISM: Unknown  
200 <220> FEATURE:  
201 <223> OTHER INFORMATION: Angiotensin II derivative  
204 <220> FEATURE:  
205 <221> NAME/KEY: MISC\_FEATURE  
206 <222> LOCATION: (2)..(2)  
207 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
209 <400> SEQUENCE: 12  
211 Cys Gly Asp Arg Val Tyr Ile His Pro Phe  
212 1 5 10  
215 <210> SEQ ID NO: 13  
216 <211> LENGTH: 23  
217 <212> TYPE: PRT  
218 <213> ORGANISM: Unknown

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PATENT APPLICATION: US/09/470,997B

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Input Set : A:\GLOV3002 Sequence Listing.ST25.txt

Output Set: N:\CRF4\04262006\I470997B.raw

220 <220> FEATURE:  
221 <223> OTHER INFORMATION: Angiotensin derivative  
224 <220> FEATURE:  
225 <221> NAME/KEY: MISC\_FEATURE  
226 <222> LOCATION: (11)..(11)  
227 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
229 <220> FEATURE:  
230 <221> NAME/KEY: MISC\_FEATURE  
231 <222> LOCATION: (13)..(13)  
232 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
234 <400> SEQUENCE: 13  
236 Asp Arg Val Tyr Ile His Pro Phe His Leu Gly Cys Gly Asp Arg Val  
237 1 5 10 15  
240 Tyr Ile His Pro Phe His Leu  
241 20  
244 <210> SEQ ID NO: 14  
245 <211> LENGTH: 21  
246 <212> TYPE: PRT  
247 <213> ORGANISM: Unknown  
249 <220> FEATURE:  
250 <223> OTHER INFORMATION: Angiotensin derivative  
253 <220> FEATURE:  
254 <221> NAME/KEY: MISC\_FEATURE  
255 <222> LOCATION: (11)..(11)  
256 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
258 <220> FEATURE:  
259 <221> NAME/KEY: MISC\_FEATURE  
260 <222> LOCATION: (13)..(13)  
261 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
263 <400> SEQUENCE: 14  
265 Asp Arg Val Tyr Ile His Pro Phe His Leu Gly Cys Gly Asp Arg Val  
266 1 5 10 15  
269 Tyr Ile His Pro Phe  
270 20  
273 <210> SEQ ID NO: 15  
274 <211> LENGTH: 23  
275 <212> TYPE: PRT  
276 <213> ORGANISM: Unknown  
278 <220> FEATURE:  
279 <223> OTHER INFORMATION: Angiotensin derivative  
282 <220> FEATURE:  
283 <221> NAME/KEY: MISC\_FEATURE  
284 <222> LOCATION: (11)..(11)  
285 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
287 <220> FEATURE:  
288 <221> NAME/KEY: MISC\_FEATURE  
289 <222> LOCATION: (13)..(13)  
290 <223> OTHER INFORMATION: 1-5 additional Gly can also be present  
292 <400> SEQUENCE: 15

## RAW SEQUENCE LISTING

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DATE: 04/26/2006

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Input Set : A:\GLOV3002 Sequence Listing.ST25.txt

Output Set : N:\CRF4\04262006\I470997B.raw

294 Leu His Phe Pro His Ile Tyr Val Arg Asp Gly Cys Gly Asp Arg Val  
 295 1 5 10 15

298 Tyr Ile His Pro Phe His Leu

299 20

302 <210> SEQ ID NO: 16

303 <211> LENGTH: 21

304 <212> TYPE: PRT

305 <213> ORGANISM: Unknown

307 <220> FEATURE:

308 <223> OTHER INFORMATION: Angiotensin derivative

311 <220> FEATURE:

312 <221> NAME/KEY: MISC\_FEATURE

313 <222> LOCATION: (11)..(11)

314 <223> OTHER INFORMATION: 1-5 additional Gly can also be present

316 <220> FEATURE:

317 <221> NAME/KEY: MISC\_FEATURE

318 <222> LOCATION: (13)..(13)

319 <223> OTHER INFORMATION: 1-5 additional Gly can also be present

321 <400> SEQUENCE: 16

323 Leu His Phe Pro His Ile Tyr Val Arg Asp Gly Cys Gly Asp Arg Val

324 1 5 10 15

327 Tyr Ile His Pro Phe

328 20

331 <210> SEQ ID NO: 17

332 <211> LENGTH: 21

333 <212> TYPE: PRT

334 <213> ORGANISM: Unknown

336 <220> FEATURE:

337 <223> OTHER INFORMATION: Angiotensin derivative

340 <220> FEATURE:

341 <221> NAME/KEY: MISC\_FEATURE

342 <222> LOCATION: (9)..(9)

343 <223> OTHER INFORMATION: 1-5 additional Gly can also be present

345 <220> FEATURE:

346 <221> NAME/KEY: MISC\_FEATURE

347 <222> LOCATION: (11)..(11)

348 <223> OTHER INFORMATION: 1-5 additional Gly can also be present

350 <400> SEQUENCE: 17

352 Asp Arg Val Tyr Ile His Pro Phe Gly Cys Gly Asp Arg Val Tyr Ile

353 1 5 10 15

356 His Pro Phe His Leu

357 20

360 <210> SEQ ID NO: 18

361 <211> LENGTH: 19

362 <212> TYPE: PRT

363 <213> ORGANISM: Unknown

365 <220> FEATURE:

366 <223> OTHER INFORMATION: Angiotensin derivative

369 <220> FEATURE:

*Please  
convert  
this one  
in subsequent  
sequences*

**VERIFICATION SUMMARY**

**PATENT APPLICATION: US/09/470,997B**

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